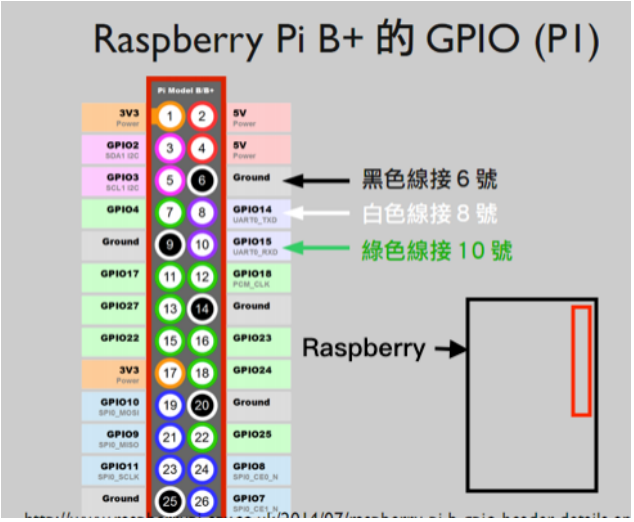
樹莓派連線設定:

以下方式二選一.

1. Console
2. SSH

帳號：pi
密碼：xu3vup u6 (李欣宜的鍵盤輸入)

Console:

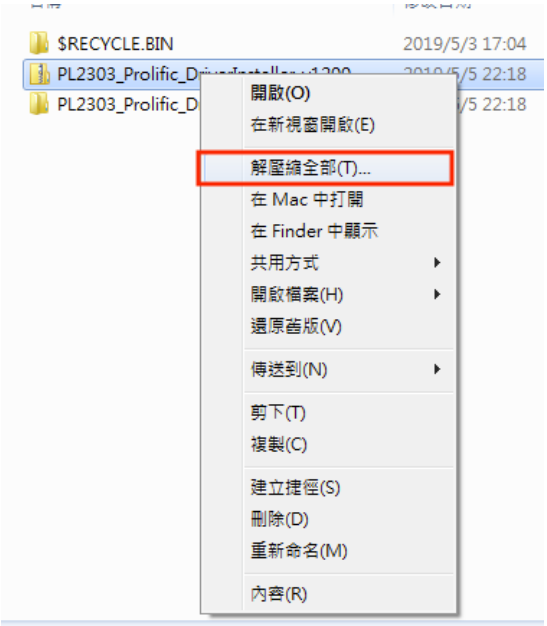


1. 下載 PL2303 驅動程式.(https://bit.ly/1Idy3wb)

Download Driver Setup Program:

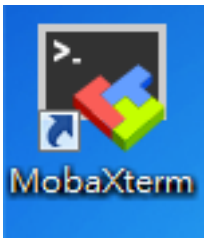
Driver Installer	File	Installer Version	OS Support
Standard Driver	Download file	1.20.0 (2018-7-30)	**Windows XP/7/8/10** - WDF Driver: v3.8.25.0 (7/12/2018) - Windows 7/8.1/10 - WDM Driver: v3.8.24.0 (7/05/2018) - Windows XP
DCHU (for PC Vendors)	Download file	1.19.2 (2018-05-03)	**Windows 10 RS3/RS4 Only** - WDF Driver: v3.8.18.0 (10/17/2017) - Windows 10RS3/RS4

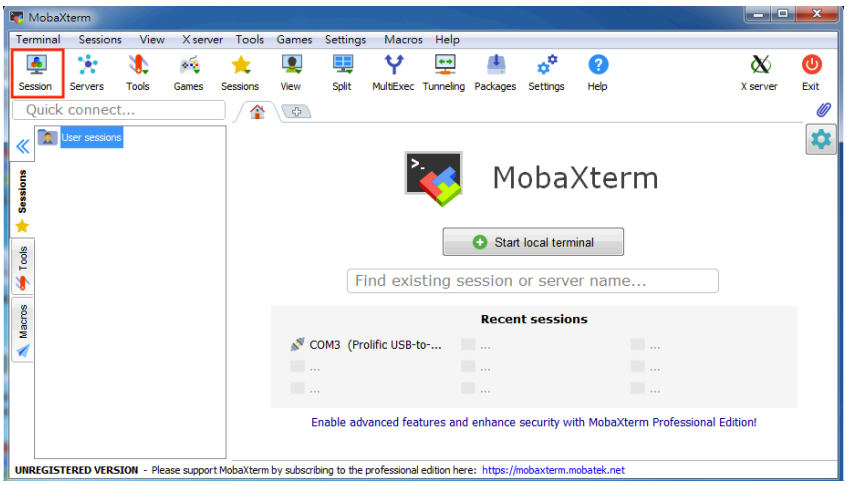
2. 解壓縮檔案並進入資料夾.

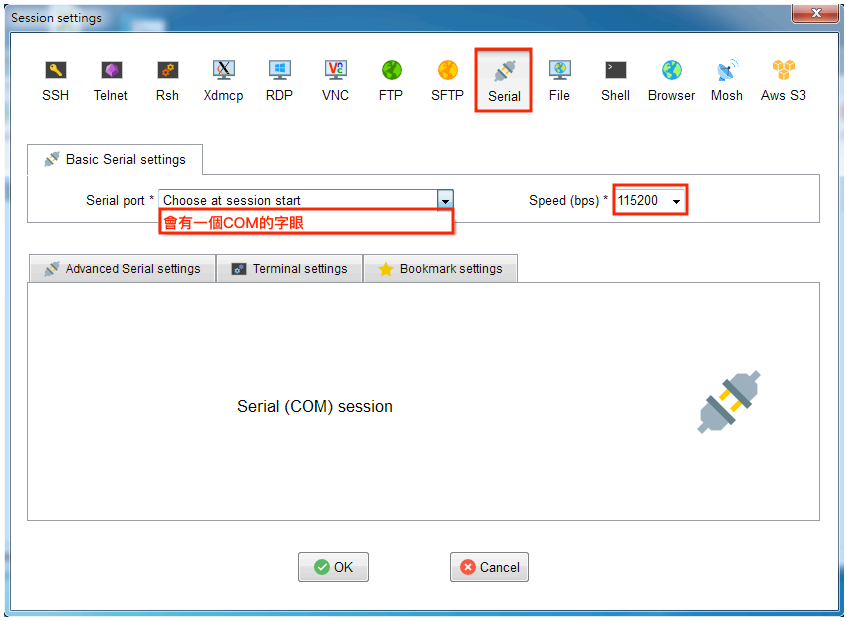


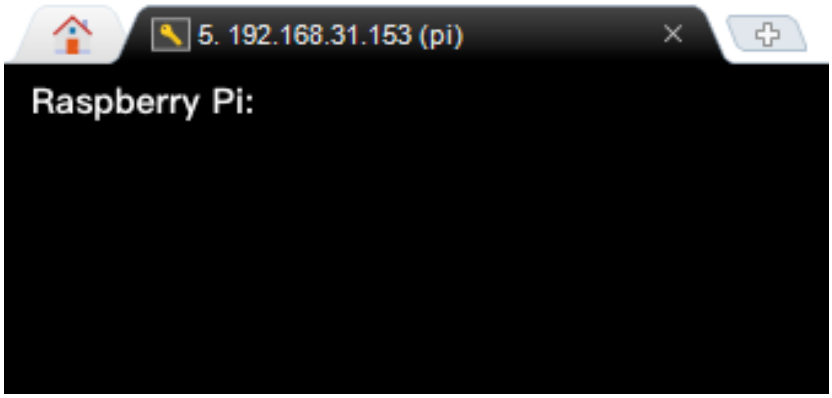
3. 安裝 PL2303-Prolific_DriverInstaller_v1200.

4. 使用 MobaXterm 的 serial 協定連接至樹莓派.



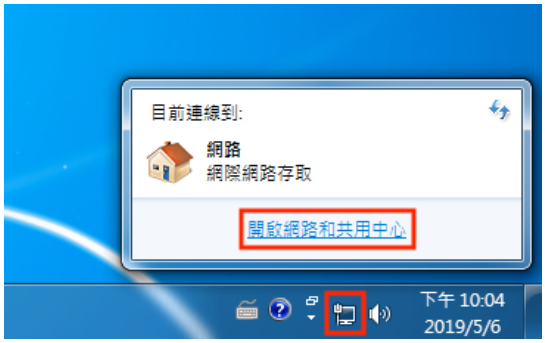


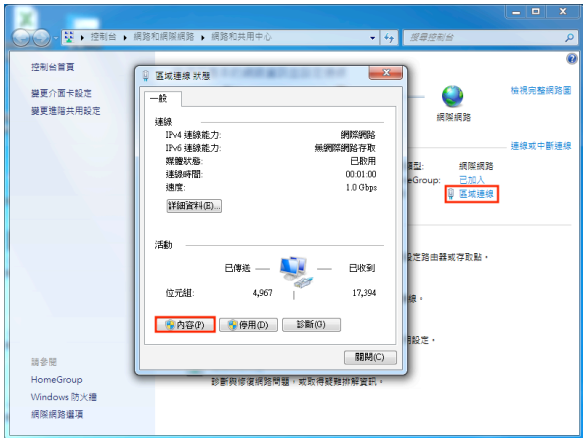


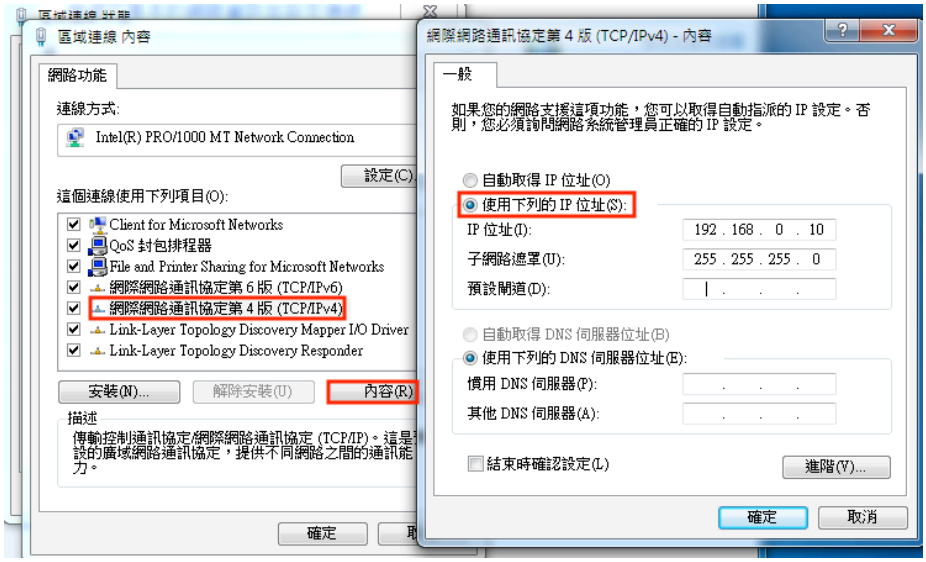


SSH :

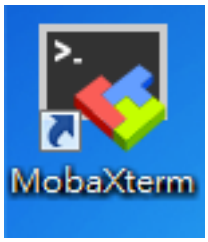
1. 開啟網路設定去修改你的 IP. (IP 位址為 192.168.0.10)

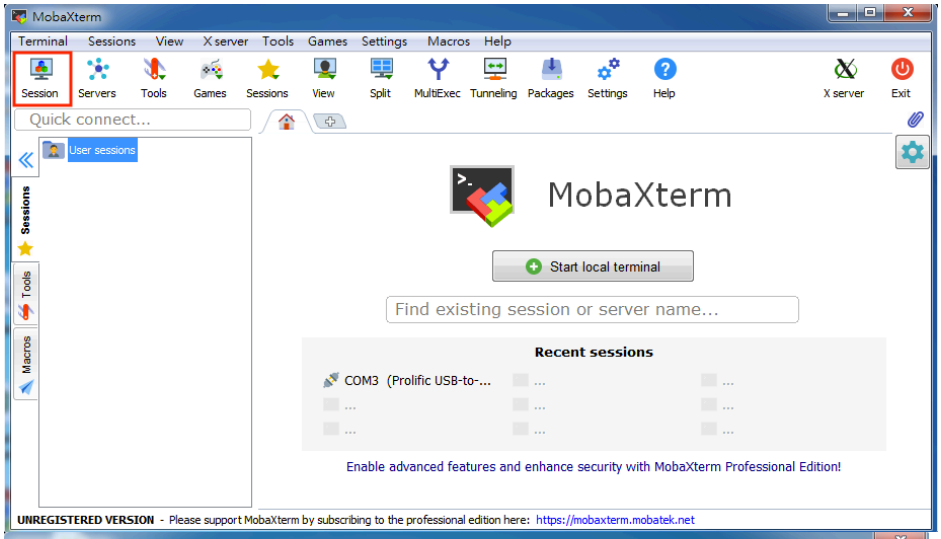


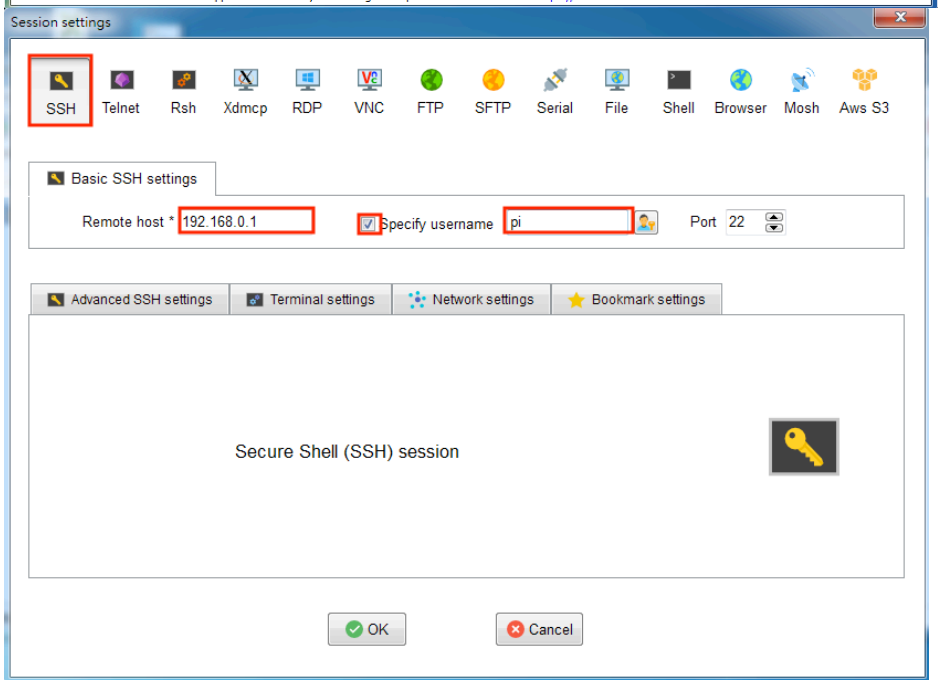


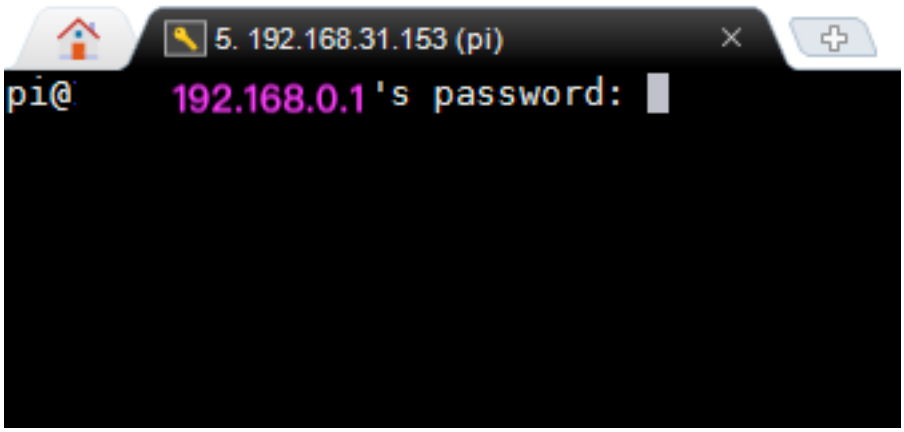


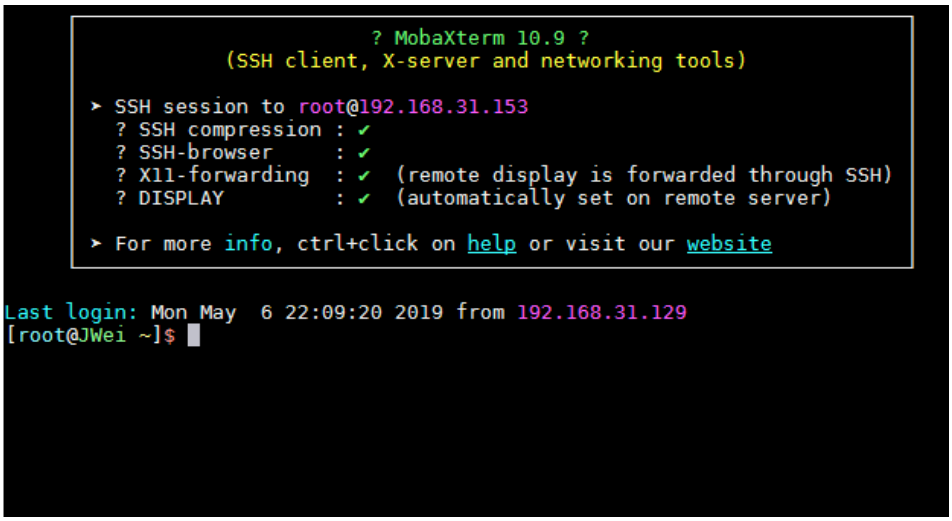
2. 使用 MobaXterm 的 ssh 協定連接至樹莓派.




MobaXterm
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
User sessions
Sessions
Tools
Macros
MobaXterm
Start local terminal
Find existing session or server name...
Recent sessions
COM3 (Prolific USB-to-...
Enable advanced features and enhance security with MobaXterm Professional Edition!
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net


Session settings
SSH Telnet Rsh Xdmcp RDP VNC FTP SFTP Serial File Shell Browser Mosh Aws S3
Basic SSH settings
Remote host * 192.168.0.1
Specify username pi
Port 22
Advanced SSH settings
Terminal settings
Network settings
Bookmark settings
Secure Shell (SSH) session
OK
Cancel


5. 192.168.31.153 (pi)
pi@ 192.168.0.1's password:



樹莓派上 RFID 的接腳位置:

RFID-RC522模組	Raspberry pi接腳
SDA	24
SCK	23
MOSI	19
MISO	21
IRQ	none
GND	6
RST	22
3.3V	1

Arduino 上超音波的接腳位置:

Ultrasonic:

Vcc -> pin 5v

GNG -> pin GND

Trig -> pin 7

Echo -> pin 8

2.5mm line:

Long -> pin GND

Short -> pin 11

Arduino 上 RFID 位置:

RFID-RC522模組	Arduino接腳
SDA	Pin 10
SCK	Pin 13
MOSI	Pin 11
MISO	Pin 12
IRQ	None
GND	GND
RST	Pin 9
3.3V	3.3V

如何知道 RFID 統計時間:

1. 連線至樹莓派後輸入 `cat Desktop/topic/recordTime.json` 即可.